

PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Ammonium Sulfate AR

Mol. Formula : $(\text{NH}_4)_2\text{SO}_4$

Mol. Weight : 132.14 g/mol

Catalog No. : A-2009

Batch No. : Sample COA

Cas No : 7783-20-2

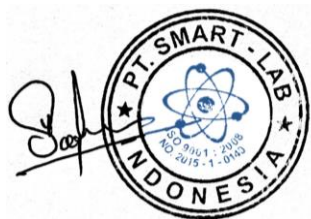
Shelf Life : 60 Months

NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	—	A white crystalline powder or granules, colorless crystals	Colorless crystalline powder
2.	Assay (acidimetric)	wt %	min 99.5	99.865
3.	pH (5% Solution) at 25 °C	pH	5.0 – 6.0	5.407
4.	Insoluble matter	wt %	max 0.005	0.0027
5.	Residue after ignition	wt %	max 0.005	0.0038
6.	Chloride (Cl)	wt %	max 0.0005	0.00017
7.	Nitrate (NO_3)	wt %	max 0.001	< 0.001
8.	Phosphate (PO_4)	wt %	max 0.0005	< 0.0005
9.	Heavy metals (as Pb)	wt %	max 0.0005	0.0000096
10.	Iron (Fe)	wt %	max 0.0005	0.000072
11.	Calcium (Ca)	wt %	max 0.001	0.00018
12.	Loss on drying (105 °C)	wt %	max 0.1	0.036

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Result: The above product corresponds to AR Grade

Reference or standard of product specification to Analar standard and ACS specification



Yuvraj Sagvekar
Manager QC